



WHO WE ARE

R Street Institute is a nonprofit, nonpartisan, public policy research organization. Our mission is to engage in policy research and outreach to promote free markets and limited, effective government.

Deep Expertise

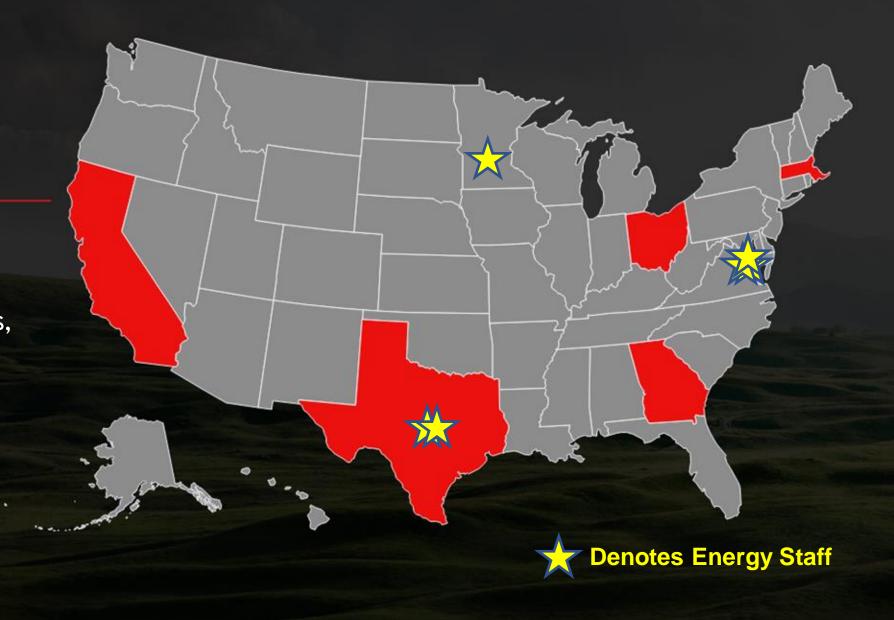
Broad Coalitions

Victories at the Margin



WHERE WE ARE

In addition to our D.C. headquarters, we have offices in Georgia, Texas, Ohio, California and Massachusetts.

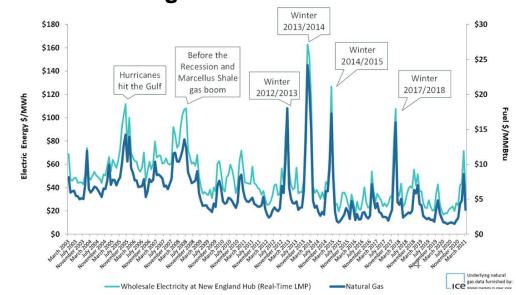




Economics & Politics

- Goal: markets account for climate & energy security risks
 - Stakeholder capitalism era
- Political challenges
 - Prices signal substitutes vs. politics picks winners
 - Efficient prices vs. price spike unpopularity
 - Global lifecycle GHG vs. domestic lens
- Remedy: healthy markets
 - Risk transfer (moral hazard)
 - Define/secure property rights
 - Information symmetry
 - Low entry/exit barriers
 - Low transactions costs
 - Internalize externalities

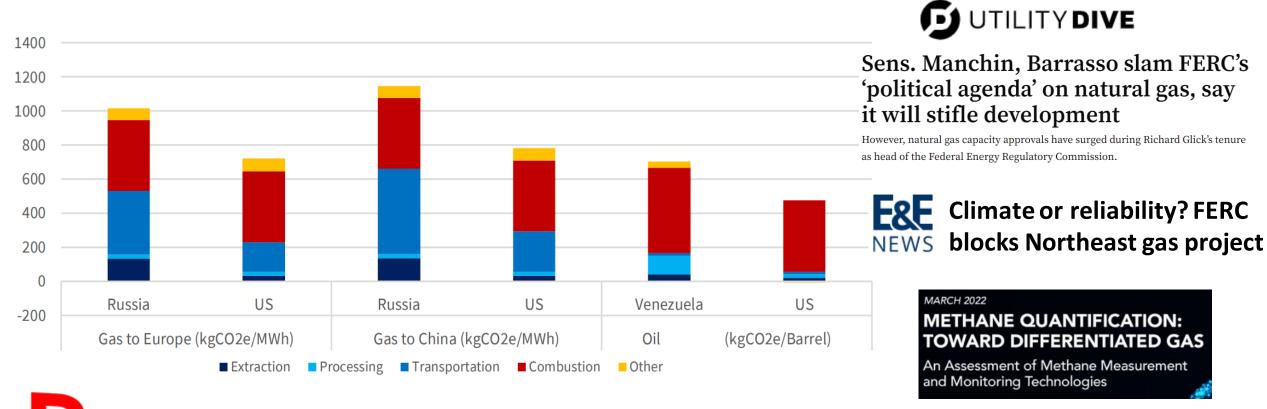
New England Gas & Electric Prices





Natural Gas Schizophrenia

Domestic politics meets global reality, local reliability





Sources:

Coefficient https://co2efficient.com/methane

E&E News: https://www.eenews.net/articles/climate-or-reliability-ferc-blocks-northeast-gas-project/

CRES Forum, Carnegie Endowment for Int'l Peace, NETL: https://cresforum.org/wp-content/uploads/2022/03/U.S.-Fossil-Fuels-Should-Play-a-Crucial-Role-in-Reducing-Global-Emissions.pdf

Utility Dive: https://www.utilitydive.com/news/manchin-barrasso-ferc-gas-infrastructure-pipeline-review/619816/

Stable Climate + Secure Energy

	Do	Do Not	Context
Market Institutions	Integrate gas globally. Expand RTOs, restructure.	Inhibit trade. Socialize risk.	Liquid+fungible markets, supplier assigned risk.
Entry/exit Barriers	Depoliticize, streamline permits. Market design, interconnection.	Micromanage permits. Creative RMRs.	Envir. permitting often retards net envir gains.
Risk Management	Credit/collateral and hedging requirements. Supply chain risk alignment, ISACs.	Price controls. Emergency actions for structural risk, eg DPA.	Manage econ & political risk of price spikes w/o muting signal.
Market Power & Manipulation	Refine elec & gas mitigation. Clarify manipulation.	Inhibit nodal congestion products.	Chilliness dries liquidity. Phys withholding probs.
Environmental Transparency	Granular emissions visibility. Climate reporting guidance w/ private ordering, int'l sync.	Create new liabilities. Deter reporting quality.	Remedies info deficiencies.
Product heterogeneity	Validate envir & reliability differentiated commodities	Misdiagnose greenwashing.	Remedies property rights & high transactions costs
Emissions Pricing	Tax bads, not goods	Asymmetric application. Refund schemes.	Long-term tax revenues increase for debt relief

High Impact, Low Probability Events

PROBABILITY

Known

Unknown

Risk
Management
Policy

Uncertainty
Management
Policy

Low High

Gov't Failure >

Market Failure

MAGNITUDE OF CONSEQUENCE



Electric Uncertainty

- Revisit resilience economics:
 - 1. Avoid ad hoc, premature reforms.
 - 2. Conceptual understanding from end-user perspective.
 - 3. Economic framework to evaluate bulk power resilience.
 - 4. Tailor reforms to degree of regional heterogeneity.
- Applications:
 - Reliability metrics & standards reform
 - Frequency → add duration
 - Engineering heuristics → social welfare
 - Differentiated firm service reliability
 - Transmission planning
 - Capacity market design
 - e.g., scenario-based accreditation & zone definitions
 - DER policies



Climate disasters have rendered 'one-in-10' grid standard obsolete, experts say



Thank you!

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